GEOLOGICAL MAP OF MASIRAH ISLAND : SHEETS 1 - 5

ALLUVIUM

LAND-SLIP

LOWER TERTIARY LIMESTONE

GRANITE

COPPER MINERALISATION

CHERT

LIMESTONE BLOCKS IN MELANGE, OFTEN ASSOCIATED WITH MELANGE LAVAS

MELANGE PILLOW LAVAS

SHINZI VOLCANICS

MARLY LIMESTONE ASSOCIATED WITH RED PILLOW LAVAS OF AXIS SEQUENCE

AXIS SEQUENCE :

RED PILLOW LAVAS

GREEN PILLOW LAVAS
transitional to

SHEETED DYKES

PERCENTAGE OF SHEETED DYKES TO GABBRO SCREENS

MASSIVE GABBRO

CUMULATE GABBRO - OLIVINE GABBRO - TROCTOLITE; USUALLY CRUDELY LAYERED, PARTLY SERPENTINISED.

RAS KAIDA : SERPENTINISED TROCTOLITE OR OLIVINE GABBRO BLOCKS IN GABBRO

SERPENTINITE AFTER HARZBURGITE

OPHIOLITE MELANGE

FAULT - MAJOR JOINT

LITHOLOGICAL BOUNDARY

SOLID - ALLUVIUM BOUNDARY

STRIKE AND DIP

70 LIMESTONE, LAYERING IN GABBRO, LAVA

60 SHEETED DYKES

45 SHEARING IN GABBRO

LINEAMENT (? SHEARING) IN SERPENTINISED HARZBURGITE

91 95 99

RA'S HILF

88 88

SHEET 1

JABAL HILF

84 84

80 80

DAFIYAT

91 95 99

86 90 94 98 102

76 72 68

SHEET 2

1 2 3 4 5

DAWWAH

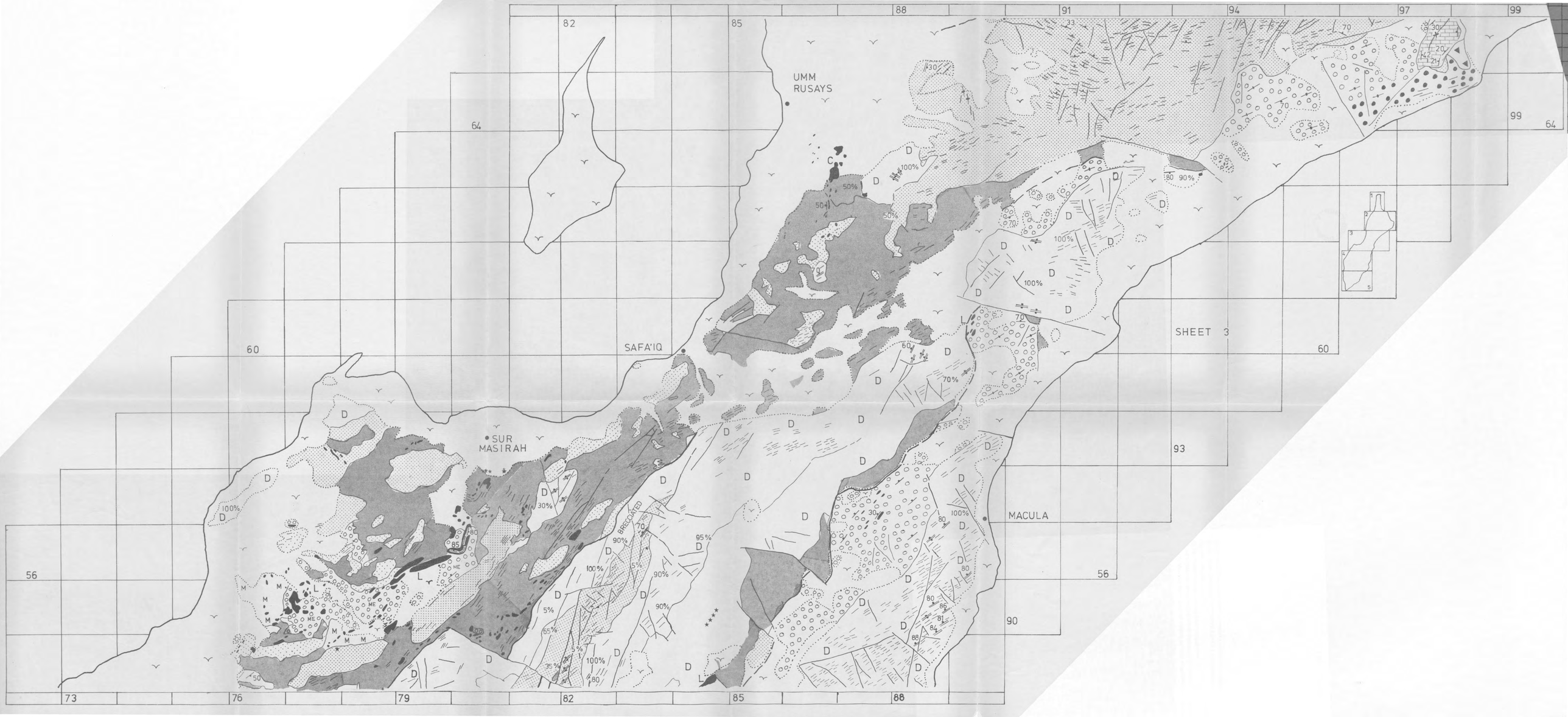
SHI'INZI

JABAL HAMRA

RA'S AL YA

BRECCIATED TROCTOLITE / OLIVINE GABBRO

D C S L


UMM RUSAYS
SAFA'IQ
SUR MASIRAH
MACULA
SHEET 3
BRECCIATED
82
85
88
91
94
97
99
64
60
56
93
90
73
76
79

70
SHEET 4
74
78
82
86
50
46
42
AL QARIN
HAQL
KALBAN
RAS
KAIDA

70 74 78 82

38 38

34 34

30 30

SHEARED

URF

SOUTH POINT

SHEET 5